

**Su-Ling Yeh,**  
***Ph.D.***

***Curriculum Vita***

03/02/2021

***CORRESPONDING ADDRESS***

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Taipei, Taiwan 10617	

***CURRENT POSITION***

2020-present	<b>Associate Dean</b> College of Science National Taiwan University
2018-present	<b>Associate Director</b> Center for Artificial Intelligence and Advanced Robotics National Taiwan University
2012-present	<b>Lifetime Distinguished Professor</b> Department of Psychology National Taiwan University
2010-present	<b>Conjunct Professor</b> Graduate Institute of Brain and Mind Sciences College of Medicine National Taiwan University
2004-present	<b>Full Professor</b> Department of Psychology National Taiwan University

***PROFESSIONAL EXPERIENCE***

- 2019-2020      **Stanford-Taiwan Social Science Fellow**  
at the Center for Advanced Study in the Behavioral Sciences,  
Stanford University
- 2018-present    **Association for Psychological Science (APS) fellow, USA**
- 2013-2016      **Head of Department**  
Department of Psychology, National Taiwan University
- 2010-2016      **Associate director**  
Neurobiology and Cognitive Science Center  
National Taiwan University
- 2006-2012      **Distinguished Professor**  
Department of Psychology, National Taiwan University
- 1995-2004      **Associate Professor**  
Department of Psychology, National Taiwan University
- 1994-1995      **Lecturer**  
Department of Psychology, National Taiwan University

***EDUCATION***

- 1994            **Doctor of Philosophy, Psychology**  
Department of Psychology  
University of California at Berkeley, California, U.S.A.
- 1987            **Master of Science, Psychology**  
Department of Psychology  
National Taiwan University, Taiwan
- 1985            **Bachelor of Science, Psychology**

Department of Psychology  
National Taiwan University, Taiwan

***MAJOR AWARDS & HONORS***

***RESEARCH***

- 2014                    **Academic award of Ministry of Education**  
For academically excellent investigators in Taiwan  
Ministry of Education, Taiwan
- 2004, 2012            **Distinguished Research Award (Twice)**  
For academically excellent investigators in Taiwan  
National Science Council of Taiwan
- 2004                    **Research Contribution Award in Humanities and Social Sciences**  
For academically excellent investigators at National Taiwan University
- 2002-2003            **Da-Yo Memorial Award**  
For academically excellent young investigators in Taiwan  
National Science Council of Taiwan
- 1996-2000            **Recipient of Research Awards (Five times)**  
National Science Council of Taiwan
- 2000                    **Elected outstanding scholar** for the NOW/NSC joint program on cognitive science  
National Science Council of Taiwan  
NOW, Arnhem, the Netherlands
- 2000                    **Award for supervision of NSC independent research**  
supervising undergraduate independent research that receives the research awards  
National Science Council of Taiwan

## ***TEACHING***

- |            |   |
|------------|---|
| 2006, 2012 | <b>Distinguished Teaching Award for best teachers at NTU (Twice)</b><br>For outstanding teachers at National Taiwan University  |
| 2004-2005  | <b>Teaching Award for best teachers at NTU (twice)</b><br>For excellent teachers at National Taiwan University  |
| 2003-2005  | <b>Teaching Award of best teachers at the College of Science of NTU (Three times)</b><br>For excellent teachers in the College of Science<br>National Taiwan University         |
| 2002       | <b>Course Award</b><br>For the web-based multimedia instructional course “Sensation and Perception”<br>Computer and Information networking Center<br>National Taiwan University |

## ***RESEARCH INTERESTS***

1. **Consciousness:** conscious and unconscious mental processes, attention and consciousness, body sensation and self-consciousness, meta-awareness, gut feeling
2. **Attention and perception:** spatial attention, object-based attention, attentional capture, effect of attention on perception, eye movements
3. **Multisensory perception:** cross-modal interaction between vision, audition, touch, smell, proprioception, etc.
4. **Psycholinguistics:** reading, semantic processing, visual word (character) recognition, perceptual organization of Chinese characters
5. **Applied Research on Image Processing and Display:** 3D displays design, power-saving of low backlight displays, a model to predict attention allocation for displays, relationship between display refresh rate and motion artifacts, blue-light filters, gaze contingent display and applications, eye tracking device

6. **Statistical Regularity:** mean size, left-side bias, domain specific or general
7. **Blue Light Effect:** influence of different light spectrum on emotion, perception, and cognition.
8. **Psychological Approach to Assistive Robots:** human-centered problem-solving, human-robot interaction, social robotics, assistive robots for aging population
9. **Potential Gain in Statistical Regularity in Aging:** examining statistical regularity of Chinese idioms, representational momentum, and emotional faces in different age groups.
10. **Affective computing:** detection of affective state, attention, and mind wandering, attention training

### ***PROFESSIONAL SERVICES***

2020-present	<b>Council Board</b> Taiwanese Psychological Association (TPA)
2018-present	<b>Advisory Council</b> The International Association for the Study of Attention and Performance (A & P)
2012-present	<b>European Research Council Peer Review Evaluation</b> The European Research Council (ERC) Executive Agency
2018-present	<b>Editorial Board</b> Scientific Reports
2013-present	<b>Editorial Board</b> Frontier in Psychology, Perception Science

- 2013-present      **Editorial Board**  
Chinese Journal of Psychology
- 2017-present      **Advisory Council**  
Government Fellowship for Studying Abroad  
Ministry of Education, Taiwan
- 2017-present      **Review board**  
Research Grants Council, Hong Kong
- 2015-present      **Review Board**  
United States-Israel Binational Science Foundation
- 2017-present      **Personnel Committee**  
MacKay Medical University, Taiwan
- 2017                **Chair of Scientific committee**  
The 13<sup>th</sup> Asia Pacific Conference on Vision (APCV)
- 2016                **Committee member**  
Ministry of Examination, Taiwan
- 2015-2016        **Executive Supervisor**  
Taiwanese Psychological Association (TPA)
- 2013-2016        **Associate Editor**  
Chinese Journal of Psychology
- 2013-2017        **Research ethics advisory committee**  
National Taiwan University
- 2013-present     **Committee member** of faculty evaluation committee  
Graduate Institute of Brain and Mind Sciences  
National Taiwan University
- 2013-2014,  
2016                **Scientific committee**  
Conference on Language, Discourse, and Cognition (CLDC)
- 2015                **Advisory council**, Center for Life Education  
Ministry of Education, Taiwan

2012	<b>Review Board</b> The 11 <sup>th</sup> International Congress of the International Color Association (AIC)
2011-2012	<b>Advisory board</b> International Multisensory Research Forum (IMRF) 2012
2010-2011	<b>Scientific committee</b> Asian-Pacific Conference on Vision (APCV) 2011
2010-2011	<b>Advisory board</b> International Multisensory Research Forum (IMRF) 2011
2010	<b>Reviewer</b> of Setting International Research-Intensive Centers of Excellence in Taiwan
2010	<b>Reviewer</b> of Initiative Research Cooperation among Top Universities between UK and Taiwan
2009-2010	<b>Co-chair of the Scientific committee</b> Asian-Pacific Conference on Vision (APCV) 2010
2009	<b>Reviewer</b> for Research Award for Junior Research Investigators, Academia Sinica
2009	<b>Reviewer</b> of web-based multimedia courses, Ministry of Education
2009	<b>Committee member</b> of national examinations for local civil servants
2008, 2009	<b>Committee member</b> of the Higher Education Evaluation & Accreditation Council of Taiwan
2007-2008	<b>Scientific committee</b> The 12 <sup>th</sup> annual meeting of the Association for Scientific Study of Consciousness (ASSC) 2008
2007-2008	<b>Council member</b> of The Taiwanese Psychological Association
2007-2010	<b>General committee</b> of National Taiwan University

2004-2008, 2010-2012	<b>Personnel committee</b> of National Taiwan University
2006	<b>Reviewer</b> for Doctor An-Tai Chen Research Scholarship
2005-present	<b>Reviewer</b> for Government Scholarship for Overseas Study
2005-2007	<b>Appeal committee of National Taiwan University</b>
2003-present	<b>Personnel committee</b> , Department of Psychology, NTU
2003-2006	<b>Chair</b> of the Research and ethic committee of Department of Psychology, NTU
1996-2002	Resource committee, Department of Psychology, NTU
2001-2003	Administrative committee, Department of Psychology, NTU
1996	Evaluation of the design of color pattern in Tunnel Zhong-Shin Engineering, High-way system
1998-2000	Improvement program of Introductory Psychology courses Ministry of Education, Taiwan
1998	<b>Organizing committee</b> Annual meeting of Chinese Psychological Association
1998	<b>Elected member</b> of Government Female Leader Training Program
1996-present	<b>Thesis committee</b> Sydney University (Psychology), Australia Hong-Kong University (Psychology), Hong Kong National Taiwan University (Psychology), Taiwan National Taiwan University (Electrical Engineering, Computer Science, Graduate Institute of Networking and Multimedia, Graduate Institute Communication Engineering) National Cheng-Chi University (Psychology) National Chung-Cheng University (Psychology) Chung Yuan Christian University (Psychology)

National Taiwan Normal University (Graduate Institute of Teaching Chinese as a Second Language, Department of English)

National Yang-Ming University (Cognitive Neuropsychology, Biomedical Engineering)

***MEMBERSHIP OF PROFESSIONAL SOCIETIES***

Vision Sciences Society

Association for Scientific Study of Consciousness

Taiwanese Psychological Association

American Psychological Society

International Multisensory Research Forum

European Conference on Visual Perception

Asian-Pacific Conference on Vision

American Psychological Science

***EDITORIAL***

Scientific Reports

Frontier in Psychology

***AD-HOC REVIEWER***

Journal of Experimental Psychology: Learning, Memory, & Cognition

Journal of Experimental Psychology: Human Perception & Performance

Vision Research

PLOS ONE

Experimental Brain Research

British Journal of Psychology

International Journal of Psychology

Perceptual and Motor Skills

Memory & Cognition

Consciousness & Cognition

Acta Psychologica

Transportation Research Part F: Traffic Psychology and  
Behaviour Instructional Science

Chinese Journal of Psychology

Bulletin of Educational Psychology

Research of Applied Psychology

Scholarpedia

Frontiers in Psychology

Attention, Perception & Psychophysics

iPerception

Scientific Reports

Commentator Behavior and Brain Sciences

**MAJOR GRANTS** (*served as PI*)

- |           |  |
|-----------|--|
| 2018-2021 | “Exploring the levels of consciousness from unconscious processing to meta awareness”, Ministry of Science and Technology grant (NT\$: 4,070,000/US\$: 132,147)              |
| 2017-2019 | “Exploring the possible gain in statistical regularity as people age”, Ministry of Science and Technology grant (NT\$: 3,256,000/ US\$: 105,718)                             |
| 2018      | “Psychological approach for user-oriented robot design”, Industrial Technology Research Institute grant (NT\$: 1,200,000/ US\$: 38,962)                                      |
| 2017      | “Enhance the Applicability of Assistive Robots for Elderly People: A psychological approach”, Industrial Technology Research Institute grant (NT\$: 1,000,000/ US\$: 32,469) |

- 2015-2018 “Effects of blue light on perception and cognition”, National Science Council grant (NT\$: 4,042,000/ US\$: 131,238)
- 2015-2016 “Semantic integration for crowded words”, National Science Council grant (NT\$: 2,035,000/ US\$: 66,074)
- 2012-2015 “Unconscious semantic processing under visual crowding and continuous flash suppression”, National Science Council grant (NT\$: 3,345,000/ US\$: 108,607)
- 2009-2012 “Visual-auditory integration: from perception to appraisal”, National Science Council grant (NT\$: 3,192,000/ US\$: 103,640)
- 2007-2010 “Visual-auditory integration and attention”, National Science Council grant (NT\$: 3,181,000/ US\$: 103,283)
- 2004-2008 “Co-construction of human cognition, neural mechanism, and social process- Neural bases of and cultural effects on the perception of Chinese characters”, Total for 4 years (NT\$: 3,723,000/ US\$: 120,881)
- National Science Council (NSC) of Taiwan, Grant for Program for Promoting Academic Excellent of Universities.
- 2008-2009 British-Taiwanese Joint projects between the British Academy and the National Science Council Taiwan (NT\$: 134,120/ US\$: 4,355)
- 2006-2007 “Object representation and the mechanism of object-based attention”, NSC grant (NT\$: 324,000/ US\$: 10,520)
- 2005-2006 “Comparing group and element matching in stereopsis and apparent Motion”, NSC grant (NT\$: 136,000/ US\$: 4,416)
- 2004-2005 “Exploring the nature of semantic representation in Chinese character Recognition by repetition blindness paradigm”, NSC grant (NT\$: 681,800/ US\$: 22,137)
- 2002-2004 “The role of subcharacter-component and whole-character in Chinese character recognition”, Total for 2 years (NT\$: 2,186,300/ US\$: 70,986)

National Science Council (NSC) Grant

2001-2002	“Vision and attention”, NSC grant (NT \$626,600/ US\$: 20,345)
2000-2001	“Perceptual organization and attention”, NSC grant (NT \$557,300/ US\$: 18,095 )
1998-2000	“Analysis of spatial position”, NSC, Total for 2 years (NT \$1,130,900/ US\$: 36,719)
1997-1999	“Chinese language and Brain”, Academia Sinica (NT \$550,000/ US\$: 17,858)
1995-1997	“Similarity of Chinese characters”, NSC, Total for 3 years (NT \$1,533,500/ US\$: 49,791)
1996-1997	“The distribution of spatial attention”, NSC grant (NT \$325,400/ US\$: 10,565)
1995-1996	“Internal representation of space”, NSC grant (NT \$549,500/ US\$: 17,841)

\*US\$ 1=NT\$ 30.7990 as of 2019/01/07

**PUBLICATIONS**

**(A) PAPERS IN REFEREED JOURNALS**

1. Lee, H. H., & **Yeh, S. L.** (in press). Blue-light effects on saccadic eye movements and attentional disengagement. *Attention, Perception, & Psychophysics*.
2. Huang, T. R., Liu, Y. W., Hsu, S. M., Goh, J. O. S., Chang, Y. L., **Yeh, S. L.**, & Fu, L. C. (2020). Asynchronously embedding psychological test questions into human–robot conversations for user profiling. *International Journal of Social Robotics*, 1-10.
3. Chen, J. H., Kuo, T. Y., Yu, H. L., Wu, C., **Yeh, S. L.**, Chiou, J. M., Cheng, T. F., Chen, Y. C. (2020). Long-term exposure to air pollutants and cognitive function in Taiwanese community-dwelling older adults: A four-

- year cohort study. *Journal of Alzheimer's Disease*, 78(4), 1585-1600.
4. Chen, Y. C., **Yeh, S. L.**, & Tang, P. F. (2020). Age-related changes in audiovisual simultaneity perception and their relationship with working memory. *The Journals of Gerontology: Series B*.
  5. Chen, Y. T., Lee, H. H., Shih, C. Y., Chen, Z. L., Beh, W. K., **Yeh, S. L.**, & Wu, A. Y. (2020). An effective entropy-assisted mind-wandering detection system with EEG signals based on MM-SART database. *arXiv preprint arXiv:2005.12076*, 2020.
  6. Chien, S. E., Chen, Y. C., Matsumoto, A., Yamashita, W., Shih, K. T., Tsujimura, S. I., **Yeh, S. L.** (2020). The modulation of background color on perceiving audiovisual simultaneity. *Vision Research*, 172, 1-10.
  7. Tu, Y. C., Chien, S. E., & **Yeh, S. L.** (2020). Age-related differences in the uncanny valley effect. *Gerontology*, 66(4), 382-392.
  8. Chu, L., Chen, H. W., Cheng, P. Y., Ho, P., Weng, I. T., Yang, P. L., Chien, S. E., Tu, Y. C., Yang, C. C., Wang, T. M., Fung, H. H., & **Yeh, S. L.** (2019). Identifying features that enhance older adults' acceptance of robots: A mixed methods study. *Gerontology*, 65(4), 441-450.
  9. Chien, S. E., Chu, L., Lee, H. H., Yang, C. C., Lin, F. H., Yang, P. L., Wang, T. M., & **Yeh, S. L.** (2019). Age difference in perceived ease of use, curiosity, and implicit negative attitude toward robots. *ACM Transactions on Human-Robot Interaction*, 8(2), 9.
  10. Chen, H. W., & **Yeh, S. L.** (2019). Effects of Blue Light on Dynamic Vision. *Frontiers in psychology*, 10, 497.
  11. Yang, Y. H. & **Yeh, S. L.** (2018). Can emotional content be extracted under interocular suppression? *PLOS ONE*, 13(11), e0206799.
  12. Yang, P. L., Tsujimura, S. I., Matsumoto, A., Yamashita, W., & **Yeh, S. L.** (2018). Subjective time expansion with increased stimulation of intrinsically photosensitive retinal ganglion cells. *Scientific reports*, 8(1), 11693.
  13. Lo, S. Y., & **Yeh, S. L.** (2018). Does “a picture is worth 1000 words” apply to iconic Chinese words? Relationship of Chinese words and pictures. *Scientific Reports*, 8:8289.
  14. Liu, T., **Yeh, S. L.\***, & Hsiao, J. (2018). Transfer of the left-side bias effect in perceptual expertise: The case of simplified and traditional Chinese character recognition. *PLoS ONE*, 13(4): e0194405.

15. Chou, C. Y., Chen, S., Yen, Y. C., **Yeh, S. L.**, Chu, H. H., & Huang, P. (2018). EQ: A QoE-Centric Rate Control Mechanism for VoIP Calls. *Transactions on Modeling and Performance Evaluation of Computing Systems*, 3(1), 4.
16. Yang, Y. H., & **Yeh, S. L.** (2018). Unconscious processing of facial expression as revealed by affective priming under continuous flash suppression. *Psychonomic Bulletin & Review*, 1-9.
17. Chou, W. L., & **Yeh, S. L.** (2017). Dissociating Location-Based and Object-Based Cue Validity Effects in Object-Based Attention. *Vision Research*, 143(2018), 34-41.
18. **Yeh, S. L.**, Lane, T., Chang, A. Y., & Chien, S. E. (2017). Switching to the rubber hand. *Frontiers in Psychology, section Cognitive Science*, 8:2172.
19. **Yeh, S. L.**, Chou, W. L., & Ho, P. (2017). Lexical processing of Chinese sub-character components: Semantic activation of phonetic radicals as revealed by the Stroop effect. *Scientific Reports*, 7(1), 15782.
20. Li, K. A., & **Yeh, S. L.** (2017). Mean size estimation yields left-side bias: Role of attention on perceptual averaging. *Attention, Perception & Psychophysics*, 1-14.
21. Yang, Y. H., Zhou, J., Li, K. A., Hung, T., Pegna, A. J. & **Yeh, S. L.** (2017). Opposite ERP effects for conscious and unconscious semantic processing under continuous flash suppression. *Consciousness and Cognition*, 114-128.
22. Yang, Y. H., Tien, Y. H., Yang, P. L., & **Yeh, S. L.** (2017). Role of consciousness in temporal integration of semantic information. *Cognitive, Affective, and Behavioral Neuroscience*, 1-19.
23. Lane, T., **Yeh, S. L.**, Tseng, P. & Chang, A. Y. (2017). Timing disownership experiences in the rubber hand illusion. *Cognitive Research: Principles and Implications*, 2(1).
24. Shih, K. T., Liu, J. S., Shyu, J. S., **Yeh, S. L.**, & Chen, H. H. (2016). Blocking harmful blue light while preserving image color appearance. *ACM Transactions on Graphics (TOG)*, 35(6), 175, 1-10.
25. Chen, Y. C., & **Yeh, S. L.** (2016). Examining radical position and function in Chinese character recognition using the repetition blindness paradigm. *Language, Cognition, and Neuroscience*, 1-20.
26. Zhou, J., Lee, C. L., & **Yeh, S. L.** (2016). Word meanings survive visual crowding: Evidence from ERPs. *Language, Cognition, and Neuroscience*, 1-

- 11.
27. Ho, M. C., Li, S. H., & **Yeh, S. L.** (2016). Early attentional bias for negative words when competition is induced. *Attention, Perception, and Psychophysics*, 1-13.
28. Liu, T., Chuk, T., **Yeh, S. L.**, & Hsiao, J. H. (2016). Transfer of perceptual expertise: the case of simplified and traditional Chinese character recognition. *Cognitive Science*, 40(2), 1-28.
29. Zhou, J., Lee, C. L., Li, K. A., Tien, Y. H., & **Yeh, S. L.** (2016). Does temporal integration occur for unrecognizable words in visual crowding? *PLOS ONE*, 11(2), e0149355.
30. Lin, S. Y., & **Yeh, S. L.** (2016). Interocular grouping without awareness. *Vision Research*, 121, 23-30.
31. Tan, J. S., & **Yeh, S. L.** (2015). Audiovisual integration facilitates unconscious visual scene processing. *Journal of Experimental Psychology: Human Perception and Performance*, 41(5), 1325-1335.
32. Huang, T. H., **Yeh, S. L.**, Yang, Y. H., Liao, H. I., Tsai, Y. Y., Chang, P. J., & Chen, H. H. (2015). Method and experiments of subliminal cueing for real-world images. *Multimedia Tools and Applications*, 1-25.
33. Li, J. H., Li, K. A., Tsai, Y. Y., & **Yeh, S. L.** (2015). Self-accompanied by one's own name? Exploring the self-concept of Buddhism. *Chinese Journal of Psychology*, 57(2), 195-211 [In Chinese].
34. Lin, S. Y., & **Yeh, S. L.** (2015). Unconscious grouping of Chinese words: Evidence from object-based attention. *Language and Linguistics*, 16(4), 517-533.
35. Chen, Y. H., Zhou, J. F., & **Yeh, S. L.** (2015). Beyond the SNARC effect: distance-number mapping occurs in the peripersonal space. *Experimental Brain Research*, 233(5), 1519-1528.
36. Chen, Y. C., & **Yeh, S. L.** (2015). Binding radicals in Chinese character recognition: Evidence from repetition blindness. *Journal of Memory and Language*, 78, 47-63.
37. Tsai, Y. Y., & **Yeh, S. L.** (2014). Low temporal precision for high impulsive individuals. *Personality and Individual Differences*, 70, 92-96.
38. Chou, W. L., **Yeh, S. L.**, & Chen, C. C. (2014). Distinct mechanisms subserve location- and object-based visual attention. *Frontiers in*

*Psychology, section Perception Science, 5, 456.*

39. Yang, Y. H., & **Yeh, S. L.** (2014). Unmasking the dichoptic mask by sound: Spatial congruency matters. *Experiment Brain Research, 232*, 1109-1116.
40. Chen, S., Chu, C., **Yeh, S. L.**, Chu, H., & Huang, P. (2014). Modeling the QoE of rate changes in Skype/ SILK VoIP calls. *IEEE/ ACM Transactions on Networking (TON), 22(6)*, 1781-1793.
41. Huang, T. H., Shih, K. T., **Yeh, S. L.**, & Chen, H. H. (2013). Enhancement of backlight-scaled images. *IEEE Transactions on Image Processing, 22(12)*, 4587-4597.
42. Liao, H. I., & **Yeh, S. L.** (2013). Capturing attention is not that simple: Different mechanisms for stimulus-driven and contingent capture. *Attention, Perception, & Psychophysics, 75(8)*, 1703-1714.
43. Tsai, Y. Y., & **Yeh, S. L.** (2013). Freezing effect in tactile perception: Sound facilitates tactile identification by enhancing intensity but not duration. *Journal of Experimental Psychology: Human Perception and performance, 39(4)*, 925-932.
44. **Yeh, S. L.**, Huang, J.T. (2013). Special Issue: The core and key transformation of cognitive studies in Taiwan. *Chinese Journal of Psychology, 55(3)*, 1-3.
45. Liao, H. I., Shimojo, S., & **Yeh, S. L.** (2013). Happy faces are preferred regardless of familiarity—Sad faces are preferred only when familiar. *Emotion, 13(3)*, 391-396.
46. **Yeh, S. L.**, He, S., & Cavanagh, P. (2012). Semantic priming from crowded words. *Psychological Science, 23(6)*, 608-616.
47. Chen, Y. C., & **Yeh, S. L.** (2012). Look into my eyes and I will see you: Unconscious processing of human gaze. *Consciousness and Cognition, 21*, 1703-1710.
48. Hsiao, J. Y., Chen, Y. C., Spence, C., & **Yeh, S. L.** (2012). Assessing the effects of audiovisual semantic congruency on the perception of a bistable figure. *Consciousness and Cognition, 21*, 775-787.
49. Li, J. L., Hsiao, C. H., & **Yeh, S. L.** (2012). Predictability matters: On the stimulus-driven account of the multiple-cue effect. *Canadian Journal of Experimental Psychology, 66(1)*, 18-25.

50. Chou, W. L., & **Yeh, S. L.** (2012). Object-Based Attention Occurs Regardless of Object Awareness. *Psychonomic Bulletin & Review*, 19(2), 225-231.
51. Lin, S. Y., & **Yeh, S. L.** (2012). Every moment counts: Smooth transition of object boundary reflects constant updating in object-based attention. *Attention, Perception, & Psychophysics*, 74(3), 533-539.
52. Huang, J.T., **Yeh, S. L.**, Chen, L. (2012). Introduction to the Special Issue: Highlights from the 2010 Cross-Strait Forum on the Joint Development of Cognitive Science Studies. *Chinese Journal of Psychology*, 54(1), 27-30.
53. **Yeh, S. L.** (2011). Introduction to the Special Issue: Highlights of the Asia-Pacific Conference on Vision 2010. *Chinese Journal of Psychology*, 53(4), 3-6.
54. Chen, Y. C., Huang, P. C., **Yeh, S. L.**, & Spence, C. (2011). Synchronous sounds enhance visual sensitivity without reducing target uncertainty. *Seeing and Perceiving*, 24, 623-638.
55. Lee, W. F., Huang, T. H., **Yeh, S. L.**, & Chen, H. H. (2011). Learning-based prediction of visual attention for video signals. *IEEE Transactions on Image Processing*, 20(11), 3028-3038.
56. Chou, W. L., & **Yeh, S. L.** (2011). Subliminal Spatial Cues Capture Attention and Strengthen Between-Object Link. *Consciousness and Cognition*, 20, 1265-1271.
57. Chen, Y. C., **Yeh, S. L.**, & Spence, C. (2011). Crossmodal constraints on human perceptual awareness: auditory semantic modulation of binocular rivalry. *Frontiers in Psychology*, 2, 212.
58. Lo, S. Y., & **Yeh, S. L.** (2011). Independence between implicit and explicit processing as revealed by the Simon effect. *Consciousness and Cognition*, 20, 523-533.
59. Liao, H. I., & **Yeh, S. L.** (2011). Interaction between stimulus-driven orienting and top-down modulation in attentional capture. *Acta Psychologica*, 138, 52-59.
60. Yang, Y. H., & **Yeh, S. L.** (2011). Accessing the meaning of invisible words. *Consciousness and Cognition*, 20, 223-233.
61. Lin, S. Y., & **Yeh, S. L.** (2011). First Come, First Served? Influence of

- Changed Object Configuration on Object-Based Attention. *Attention, Perception, & Psychophysics*, 73, 678-687.
62. Liao, H. I., **Yeh, S. L.**, & Shimojo, S. (2011). Novelty vs. familiarity principles in preference decisions: Task-context of past experience matters. *Frontiers in Psychology*, 2, 43.
  63. Hsu, L. C., Kramer, P., & **Yeh, S. L.\*** (2010). Monocular depth effects on perceptual fading. *Vision Research*, 50, 1649-1655,
  64. **Yeh, S. L.**, & Liao, H. I. (2010). On the generality of the displaywide contingent orienting hypothesis: Can a visual onset capture attention without top-down control settings for displaywide onset? *Acta Psychologica*, 135, 159-167.
  65. Chen, Y. C., & **Yeh, S. L.** (2009). Catch the moment: Multisensory enhancement of rapid visual events by sound. *Experimental Brain Research*, 198, 209-219.
  66. Ho, M. C., & **Yeh, S. L.** (2009). Effects of instantaneous object input and past experience on object-based attention. *Acta Psychologica*, 132, 31-39.
  67. Chen, K. M. & **Yeh, S. L.** (2009). Asymmetric cross-modal effects in time perception. *Acta Psychologica*, 130, 225-234.
  68. Chen, Y. C., & **Yeh, S. L.** (2009). Radical representation in models of Chinese character recognition. *Research in applied Psychology*, 43, 177-205.
  69. Lo, S. Y., & **Yeh, S. L.** (2008). Dissociation of processing time and awareness by the inattentional blindness paradigm. *Consciousness and Cognition*, 17, 1169-1180.
  70. Chou, W. L., & **Yeh, S. L.** (2008). Location- and object-based inhibition of return are affected by different kinds of working memory. *Quarterly Journal of Experimental Psychology*, 61, 1761-1768.
  71. **Yeh, S. L.**, & Liao, H. I. (2008). On the generality of the contingent orienting hypothesis. *Acta Psychologica*, 129, 157-165.
  72. Chen, Y. C., & **Yeh, S. L.** (2008). Visual events modulated by sound in repetition blindness. *Psychonomic Bulletin & Review*, 15, 404-408.
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### **(B) BOOKS AND BOOK CHAPTERS**

1. **Yeh, S. L.** (2019). Perception and awareness: The duet of consciousness. In Y. H. Hung & Y. C. Kao (Ed.), *The Black Hole of the Mind: The Mystery of Consciousness* (pp. 91-114). Sanmin, Taipei.

2. **Yeh, S. L.** & Chen, I. P., (2018). Sensation and perception. *Psychology: An Integration of Body, Mind and Culture*. National Taiwan University Press, Taipei.
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4. **Yeh, S. L.** (2009). Word recognition. In I. W. Su (Ed.), *Language and Cognition* (pp. 289-320). National Taiwan University Press, Taipei.
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### **(C) CONFERENCE PRESENTATIONS**

1. Castañeda, E. G., Ruiz, A. H., Wang, J. F., Tseng, T. Y., **Yeh, S. L.**, & Fu, L. C. (2021). Towards effective robot-assisted photo reminiscence: Personalizing interactions through visual understanding and inferring. HCI International, Virtual Meeting.
2. Chen, Y. C., Castañeda, E. G., Fu, L. C., Yueh, H. P., & **Yeh, S. L.** (2021). Social presence in evaluations for a humanoid robot and its effect on children-robot relationship. HCI International, Virtual Meeting.
3. Tseng, C. H., Hung, T. F., & **Yeh, S. L.** (2021). Robot-human partnership is unique: Partner-advantage in a shape-matching task. HCI International, Virtual Meeting.
4. Chen, Y. C., Peng, Y. S., Li, D., & **Yeh, S. L.** (2021). Audiovisual spatial congruency modulates perceptual and metacognitive components of sound-induced flash illusion. Vision Sciences Society, Virtual Meeting.
5. Chen, Z. L., Lee, H. H., Chen, Y. T., Wu, A. Y., & **Yeh, S. L.** (2021) The mind's eye: Mind-wandering revealed by eye movement Hidden Markov Model. Vision Sciences Society, Virtual Meeting.
6. Lee, H. H., Chien, S. E., Lin, V., & **Yeh, S. L.** (2021). Which comes first?

Examining breaking continuous suppression time of high-calorie and low-calorie foods. Vision Sciences Society, Virtual Meeting.

7. Tsai, C. C., Chien, S. E., Ueda, Y., Saiki, J., & **Yeh, S. L.** (2021). Search asymmetry revisited: Search for target with more features than distractors is not necessarily more efficient. Vision Sciences Society, Virtual Meeting.
8. Yang, C. C., & **Yeh, S. L.** (2021) Blue light impairment on the speed of exogenous attention shift. Vision Sciences Society, Virtual Meeting.
9. Chuang, Y. S., Hung, H. Y., Gamborino, E., Goh, J. O. S., Huang, T. R., Chang, Y. L., **Yeh, S. L.**, & Fu, L. C. (2020). Using machine theory of mind to learn agent social network structures from observed interactive behaviors with targets. 29th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN), Naples, Italy, pp. 1013-1019, doi: 10.1109/RO-MAN47096.2020.9223453.
10. Chien, S. E., Yu, C. J., Lai, Y. Y., Liu, J. C., Fu, L. C., & **Yeh, S. L.** (2020). Can older adults' acceptance toward robots be enhanced by observational learning? In Rau, P. L. (Eds.), *Cross-cultural design. User experience of products, services, and intelligent environments*: Vol. 12192. International Conference on Human-Computer Interaction (pp. 564-576). Copenhagen, Denmark: Springer-Cham.
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12. Kao, Y. W., Lee, H. H., Goh, J. O. S., & **Yeh, S. L.** (2020). Age-related differences in the statistical regularity of emotional faces. The Cognitive Neuroscience Society, Virtual Meeting.
13. **Yeh, S. L.**, Tsai, C. C., Ueda, Y., Takebayashi, H., Chien, S. E., & Saiki, J. (2019). Effect of culturally shaped experiences on cognitive processing. The 5th NTU-Kyoto University International Symposium of Human Sciences, Taipei, Taiwan.
14. Yang, C. C., & **Yeh, S. L.** (2019). Modulation of blue light on the speed of attention shift. The 5th NTU-Kyoto University International Symposium of Human Sciences, Taipei, Taiwan.
15. Lee, H. H., Chen, Z. L., Chen, Y. T., Shih, C. Y., Beh, W. K., Wu, A. Y., & **Yeh, S. L.** (2019). The heart never lies: Heart rate variability as an index of sustained attention. The 5th NTU-Kyoto University International Symposium of Human Sciences, Taipei, Taiwan.

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25. Li, J. L., Chao, Y. P., Li, S. H., Goh, J. O. S., Tsai, C. A. & **Yeh, S. L.** (2019). Collinear grouped items are more distracted for older adults: Behavior and neural imaging evidence on the collinear masking effect. The Vision Sciences Society, St. Pete Beach, FL.
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31. Lee, H. H., Shih, C. Y., Chen, Z. L., Wu, A. Y., & **Yeh, S. L.** (2019). Are you concentrating or mind-wandering? Electroencephalogram signals reveal differences in attentional states. The Society for Neuroscience, Chicago, IL.
32. Kao, Y. W., Li, S. H., Goh, J. O. S., Tsai, A. C., Jingling, L., & **Yeh, S. L.** (2019). Age-related differences in the neural processing of momentum. The European Conference on Visual Perception, Leuven, Belgium.
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54. Li, S. H., Lin, H. Y., Tsai, M. N., & **Yeh, S. L.** (2018). Unconscious evaluative conditioning under continues flash suppression. NTU-Kyoto University International Symposium for Cognitive Neuroscience, Taipei, Taiwan.
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60. Hsia, C. Y., Chen, Y. C., **Yeh, S. L.**, Tu, C. K., Wu, M. T., Chen, N. C., & Tang, P. F. (2017). Perception of audiovisual simultaneity independently contributes to dual-task gait performance in the aging population. International Conference on Cognitive Science, Taipei, Taiwan.
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  71. Chen, Y. W., & **Yeh, S. L.** (2016). Cross-modal asymmetry in the facilitation of subjective time judgment from temporal statistical regularity. The 55th Annual Conference of Taiwanese Psychological Association, Tainan, Taiwan.
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  73. **Yeh, S. L.**, Chen, Y. C., & Chu, L. (2016). Effect of blue light on audiovisual integration. The 39th European Conference on Visual Perception, Barcelona, Spain.
  74. **Yeh, S. L.**, & Li, K. A. (2016). Left-side bias on statistical information extraction. The 31st International Congress of Psychology, Yokohama, Japan.
  75. Chen, Y. W., & **Yeh, S. L.** (2016). Visual temporal regularity facilitates time judgement. The 20th Annual Meeting of the Association for the Scientific Study of Consciousness, Buenos Aires, Argentina.
  76. Chen, Y. W., Yang, Y. H., & **Yeh, S. L.** (2015). Unconscious semantic processing under continuous flash suppression. The 38th European Conference on Visual Perception, Liverpool, UK.
  77. Huang, N., & **Yeh, S. L.** (2015). Consciousness modulates the effects of attention on priming. The 19th Annual Meeting of the Association for the Scientific Study of consciousness, Paris, France. Tien, Y. H., & Yeh, S. L. (2015). Temporal integration of semantic information under continuous

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  81. Yang, Y. H., **Yeh, S. L.**, & Bartles, A. (2014). Global versus local saliency: Determinants of access to visual awareness. The 10th Asian-Pacific Conference on Vision, Takamatsu, Japan.
  82. Tien, Y. H., & **Yeh, S. L.** (2014). A new bistable percept: The bistable fan illusion. The 10th Asian-Pacific Conference on Vision, Takamatsu, Japan.
  83. Li, K. A., Li, J. H., & **Yeh, S. L.** (2014). Seeing the word “I” and my face activates my name: Close link between self-awareness and one’s own name. The 10th Asian-Pacific Conference on Vision, Takamatsu, Japan.
  84. Lane, T., **Yeh, S. L.**, Zhou, J. F., Lin, T. Y., Kuo, C. H., & Teng, C. Y. (2014). The “lingering alpha effect”: Baseline alpha-band spectral power differences correlate with susceptibility to the rubber hand illusion. The 18th Annual Meeting of the Association for the Scientific Study of Consciousness, Brisbane, Australia.
  85. **Yeh, S. L.**, Lane, T., Zhou, J. F., Lin, T. Y., Kuo, C. H., & Teng, C. Y. (2014). Difference between eyes-closed and eyes-open resting state alpha power is an indicator of susceptibility to the rubber hand illusion. The 14th Vision Sciences Society, St. Pete Beach, FL.
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99. **Yeh, S. L.** (2013). Semantically congruent sound enhances unconscious processing of visual scene. Global Chinese Vision Sciences Workshop, Suzhou, China.
100. **Yeh, S. L.** (2013). Distinct processes of orthography and semantics: Evidence from visual crowding. The 9th Asian-Pacific Conference on Vision, Suzhou, China.
101. Liu, T., **Yeh, S. L.**, & Hsiao, J. (2013). The transfer of left side bias in the perception of simplified and traditional Chinese characters. The 9th Asian-Pacific Conference on Vision, Suzhou, China.
102. Chen, Y. H., Zhou, J. F., Li, R. H., & **Yeh, S. L.** (2013). SNARC effect in the third dimension. The 9th Asian-Pacific Conference on Vision, Suzhou, China.
103. Dong, J. T., Chen, Y. H., & **Yeh, S. L.** (2013). Word identification is required for phonology but not semantics: Evidence from visual crowding. The 9th Asian-Pacific Conference on Vision, Suzhou, China.
104. Liao, H. I., Yang, Y. H., & **Yeh, S. L.** (2013). Unconscious feature binding of color and orientation. Neuro 2013, Kyoto, Japan.
105. Chen, C. N., Chu, C. Y., **Yeh, S. L.**, Chu, H. H., & Huang, P. (2012). Modeling the QoE of rate changes in SKYPE/ SILK VoIP calls. ACM Multimedia 2012, Nara, Japan.
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111. Lin, S. Y., & **Yeh, S. L.** (2012). The dynamic-updating hypothesis: Attentional selection of dynamically changed objects. The 35th European Conference on Visual Perception, Alghero, Italy.
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114. Lee, C. A., & **Yeh, S. L.** (2012). Scent for visual attention: What you smell can affect how you see. The 16th Conference on Attention and Perception: Perceptual Organization and Grouping, Chiayi, Taiwan.
115. Tsai, Y. Y., & **Yeh, S. L.** (2012). Auditory perceptual organization facilitates tactile identification by enhancing intensity but not duration. The 16th Conference on Attention and Perception: Perceptual Organization and Grouping, Chiayi, Taiwan.
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120. **Yeh, S. L.**, Hsiao, J. Y., Chen, Y. C., & Spence, C. (2011). Interplay of

multisensory processing, attention, and consciousness as revealed by bistable figures. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.

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122. Liao, H. I., Shimojo, S., Huang, S. C., & **Yeh, S. L.** (2011). What and how you see affects your appetite. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
123. Chen, K. M., & **Yeh, S. L.** (2011). Audiovisual interaction in time perception. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
124. Li, C. A., & **Yeh, S. L.** (2011). What you smell affects different components of your visual attention. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
125. Su, S. Y., & **Yeh, S. L.** (2011). Audio-visual integration modifies emotional judgment in music. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
126. Tsai, Y. Y., & **Yeh, S. L.** (2011). Freezing in touch: Sound enhances tactile perception. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
127. Yang, Y. H., & **Yeh, S. L.** (2011). Semantic congruency in audiovisual integration as revealed by the continuous flash suppression paradigm. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
128. Chen, Y. C., & **Yeh, S. L.** (2011). Dissociating attention and audiovisual integration in the sound-facilitatory effect on metacontrast masking. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
129. Chen, Y. C., Huang, P. C., **Yeh, S. L.**, & Spence, C. (2011). synchronous sounds enhance visual sensitivity without reducing target uncertainty. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
130. Chen, Y. C., **Yeh, S. L.**, & Spence, C. (2011). Crossmodal semantic constraints on visual perception of binocular rivalry. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
131. Chou, W. L., & **Yeh, S. L.** (2011). Object-based attention occurs regardless of object awareness. The 34th European Conference on Visual Perception,

Toulouse, France.

132. Liao, H. I., Shimojo, S., & **Yeh, S. L.** (2011). Preference and familiarity for emotional face. Poster presented at Asia-Pacific Conference on Vision, Hong Kong, China.
133. Lee, W. F., Huang, T. H., **Yeh, S. L.**, & Chen, H. H. (2011). Fusion of visual attention cues by machine learning. Proc. IEEE Int. Conf. Image Process, Belgium.
134. Huang, T. H., **Yeh, S. L.**, & Chen, H. H. (2011). Enhancement of LCD images illuminated with dim backlight. Proc. IEEE Int. Conf. Image Process, Belgium.
135. Lee, C. H., Shaw, W. S., Liao, H. I., **Yeh, S. L.**, & Chen, H. H. (2011). Local dimming of liquid crystal display using visual attention prediction model. Proc. IEEE Int. Conf. Image Process, Belgium.
136. Chen, Y. C., & **Yeh, S. L.** (2011). Orienting or intention? Unconscious processing of human gaze. The 15th Annual Meeting of the Association for the Scientific Study of Consciousness, Kyoto, Japan.
137. Li, S. H., & **Yeh, S. L.** (2011). A double positive forms a negative in perceptual enhancement of near-threshold emotional words. The 15th Annual Meeting of the Association for the Scientific Study of Consciousness, Kyoto, Japan.
138. Liao, H. I., Yang, Y. H., & **Yeh, S. L.** (2011). Blindsight in normals: Binding features without awareness. The 15th Annual Meeting of the Association for the Scientific Study of Consciousness, Kyoto, Japan.
139. Yang, Y. H., & **Yeh, S. L.** (2011). Conscious perception affects unconscious perception with the deployment of attention. The 15th Annual Meeting of the Association for the Scientific Study of Consciousness, Kyoto, Japan.
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141. Liao, H. I., & **Yeh, S. L.** (2011). Contingent attentional capture depends on stimulus properties. The 11th Annual Meeting of the Vision Sciences Society, Naples, FL.
142. **Yeh, S. L.**, He, S., & Cavanagh, P. (2011). Extraction of semantic information from unidentifiable, crowded words. The 11th Annual Meeting

of the Vision Sciences Society, Naples, FL.

143. Li, S. H., Ho, M. C., & **Yeh, S. L.** (2011). Competition Makes You Better or Worse: Different Processing for Positive and Negative Emotional Words. The 50th Annual Conference of Taiwanese Psychological Association, Taichung, Taiwan.
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145. Liao, H. I., Shimojo, S., & **Yeh, S. L.** (2011). We prefer happy faces, regardless of whether they are familiar or not; whereas we sometimes prefer sad faces if they are familiar. The 50th Annual Conference of Taiwanese Psychological Association, Taichung, Taiwan.
146. Chen, Y. C., & **Yeh, S. L.** (2011). Look into my eyes and I will see you: Direct gaze facilitates unconscious face processing. The 50th Annual Conference of Taiwanese Psychological Association, Taichung, Taiwan.
147. Lin, S. Y., & **Yeh, S. L.** (2010). Hierarchical object representation: How the object is changed affects object-based attention. The 15th Conference on Attention and Perception (A & P), Chiayi, Taiwan.
148. Yang, Y. H., & **Yeh, S. L.** (2010). Slower response to invisible negative emotion: Stimulus-specific or stimulus-general? The 15th Conference on Attention and Perception (A & P), Chiayi, Taiwan.
149. Liao, H. I., **Yeh, S. L.**, & Shimojo, S. (2010). Novelty vs. familiarity principles in preference decision. The 15th Conference on Attention and Perception (A & P), Chiayi, Taiwan.
150. Hsu, L. C. & **Yeh, S. L.** (2010). Perceptual fading as revealed by perceptual filling-in and motion-induced blindness. The Asian-Pacific Conference on Vision, Taipei, Taiwan.
151. Chen, K. M., & **Yeh, S. L.** (2010). Asymmetric cross-modal effect on time perception depends on stimulus duration. The Asia-Pacific Conference on Vision, Taipei, Taiwan.
152. Chou, W. L., & **Yeh, S. L.** (2010). Subliminal spatial cues capture attention and cause reversed object effects. The Asia-Pacific conference on Vision, Taipei, Taiwan.
153. Hsiao, J. Y., **Yeh, S. L.**, Chen, Y. C., & Spence, C. (2010). Auditory semantic context modulates the conscious perception of bistable figures. The

Asia-Pacific Conference on Vision, Taipei, Taiwan.

154. Li, S. H., Ho, M. C., & **Yeh, S. L.** (2010). Competition of emotional words for attentional resource. The Asia-Pacific Conference on Vision, Taipei, Taiwan.
155. Lin, S. Y., & **Yeh, S. L.** (2010). Hierarchical object representation: How the object is changed affects object-based attention. The Asia-Pacific Conference on Vision, Taipei, Taiwan.
156. Lo, S. Y., & **Yeh, S. L.** (2010). Effect of sound on visual persistence. The Asia-Pacific Conference on Vision, Taipei, Taiwan.
157. Yang, Y. H., & **Yeh, S. L.** (2010). Auditory-visual integration facilitates unconscious processing of facial expression. The Asia-Pacific Conference on Vision, Taipei, Taiwan.
158. Liao, H. I., Shimojo, S., Huang, S. C., & **Yeh, S. L.** (2010). What you see affects what you feel on food. Interim Meeting of the International Color Association, Mar del Plata, Argentina.
159. Cheng, H. W., Shu, H., **Yeh, S. L.**, Li, J. I., & Caldwell-Harris, C. L. (2010). Reading Chinese simplified and traditional scripts. The Research in Reading Chinese and Related Asian Languages Conference, Toronto, Canada.
160. **Yeh, S. L.**, & Chen, Y. L. (2010). Crossmodal interaction in metacontrast masking. *Journal of Vision*, 10(7), 894.
161. Liao, H. I., & **Yeh, S. L.** (2010). Interaction between stimulus driven orienting and top down modulation in attentional capture. *Journal of Vision*, 10(7), 123.
162. Hsiao, J. Y., Chen, Y. C., Spence, C. & **Yeh, S. L.** (2010). Semantic congruency, attention, and fixation position modulate conscious perception when viewing a bistable figure. *Journal of Vision*, 10(7), 867.
163. Chou, W. L. & **Yeh, S. L.** (2010). How does a subliminal cue influence object-based attention? *Journal of Vision*, 10(7), 179.
164. Chen, Y. C., **Yeh, S. L.**, & Spence, C. (2010). Crossmodal constraints on human visual awareness: Auditory semantic context modulates binocular rivalry. *Journal of Vision*, 10(7), 885.
165. Yang, Y. H., & **Yeh, S. L.** (2010). Seeing from where you are hearing: The cross-modal facilitation from audible sound to invisible visual stimuli. The 49th Annual Conference of Taiwanese Psychological Association, Taipei,

Taiwan.

166. Li, S. H., Ho, M. C., & **Yeh, S. L.** (2010). Having too much is as bad as having nothing: The processing of emotional words under competitive situation. The 49th Annual Conference of Taiwanese Psychological Association, Taipei, Taiwan.
167. **Yeh, S. L.**, & Chen, K. M. (2009). Sound expands perceived visual duration through pacemaker acceleration. The 32nd European Conference on Visual Perception, Regensburg, Germany.
168. Yang, Y. H., & **Yeh, S. L.** (2009). An invisible face becomes visible with a voice. The 32nd European Conference on Visual Perception, Regensburg, Germany.
169. Chou, W. L., Chen, C. C., & **Yeh, S. L.** (2009). Mechanisms of location- and object-based attention as revealed by the external noise paradigm. The 32nd European Conference on Visual Perception, Regensburg, Germany.
170. Hsu, L. C., **Yeh, S. L.**, Tien, Y. M., & Lin, C. Y. (2009). Electrophysiological correlates of motion-induced blindness. The 9th Annual Meeting of Vision Sciences Society, St. Pete Beach, FL.
171. Liao, H. I., Park, J., Shimojo, E., Ishizaki, J., **Yeh, S. L.**, & Shimojo, S. (2009). Gaze orienting, and novelty vs. familiarity preference. The 9th Annual Meeting of Vision Sciences Society, Naples, FL.
172. Wang, Y. T., Liu, Y. N., Chien, S. Y. C., Yang, Y. H., Chen, Y. L., & **Yeh, S. L.** (2009). A psychophysical analysis on perceptual limitation of motion image artifact reduction using 120Hz displays. Poster presented at the 47th Society for Information Display.
173. Huang, T. H., Liang, C. K., **Yeh, S. L.**, & Chen, H. H. (2008). JND-based enhancement of perceptibility for dim. Images. The 2008 IEEE International Conference on Image Processing, San Diego, CA.
174. **Yeh, S. L.**, & Chen, I. L. (2008). Competition for awareness among visual events is modulated by sound in metacontrast masking. The 28th European Conference on Visual Perception, Utrecht, Netherland.
175. Chen, K. M., & **Yeh, S. L.** (2008). The cross-modal effect on the subjective time expansion in the visual and auditory modalities. The 28th European Conference on Visual Perception, Utrecht, Netherland.
176. Chen, H. M., **Yeh, S. L.**, Chen, K. M., & Chen, J. H. (2008). Attentional effect on emotional Chinese word processing in the human brain: An event-

related fMRI study. The 14th Annual Meeting of Human Brain Mapping, Melbourne, Australia.

177. **Yeh, S. L.**, Chiu, C. H., Hsiao, C. H. (2008). The Gestaltist's error revisited with sound. The 8th Annual Meeting of Vision Sciences Society, Naples, FL.
178. Hsu, L. C., & **Yeh, S. L.** (2008). Is motion-induced blindness a perceptual scotoma? The 8th Annual Meeting of Vision Sciences Society, Naples, FL.
179. Yang, Y. H., & **Yeh, S. L.** (2008). Sound enhances processing of emotional words under invisible conditions. The 8th Annual Meeting of Vision Sciences Society, Naples, FL.
180. **Yeh, S. L.**, Su, Y. J. & Yang, Y. H. (2008). Processing of emotional words under visible and invisible conditions. The 12th Annual Meeting of the Association for the Scientific Study of Consciousness, Taipei, Taiwan.
181. Lo, S. Y., & **Yeh, S. L.** (2008). Multisensory stimulus-response compatibility effect occurs only when the stimuli are consciously perceived. The 12th Annual Meeting of the Association for the Scientific Study of Consciousness, Taipei, Taiwan.
182. Chen, K. M., & **Yeh, S. L.** (2008). Attention mediates the facilitatory effect of task-irrelevant sound on subjective expansion of visual duration. The 12th Annual Meeting of the Association for the Scientific Study of Consciousness, Taipei, Taiwan.
183. Chen, Y. C., & **Yeh, S. L.** (2008). Using the repetition blindness paradigm as an implicit measure of awareness: a crossmodal integration study. The 12th Annual Meeting of the Association for the Scientific Study of Consciousness, Taipei, Taiwan.
184. Yang, Y. H., & **Yeh, S. L.** (2008). Compatible voice boosts the conscious perception of face. The 12th Annual Meeting of the Association for the Scientific Study of Consciousness, Taipei, Taiwan.
185. Hsu, L. C., **Yeh, S. L.**, Tien, Y. M., & Lin, C. Y. (2008). Oscillation of conscious experience and brain activity in motion-induced blindness and the Necker cube. The 12th Annual Meeting of the Association for the Scientific Study of consciousness, Taipei, Taiwan.
186. Liao, H. I., & **Yeh, S. L.** (2008). On the boundary condition of the contingent orienting hypothesis in attentional capture. The 5th Asia-Pacific Conference on Vision, Brisbane, Australia.

187. **Yeh, S. L.**, & Lo, S. Y. (2008). Visual-auditory interaction in the Simon effect. The 5th Asia-Pacific Conference on Vision, Brisbane, Australia.
188. **Yeh, S. L.**, Su, Y. J., & Ho, M. C. (2007). Processing of emotional Chinese words/ characters. Oral presentation at the 12th International Conference on Processing Chinese and Other East Asian Languages, Taiwan.
189. Chen, K. M., & **Yeh, S. L.** (2007). Structure affects orthographic priming of Chinese characters, not only repetition of radicals. Poster presented at the 12th International Conference on Processing Chinese and Other East Asian Languages, Taiwan.
190. Chen, Y. C., & **Yeh, S. L.** (2007). Radical is the necessary sub-character mediator in Chinese character recognition. Poster presented at the 12th International Conference on Processing Chinese and Other East Asian Language, Taiwan.
191. Yang, Y. H., & **Yeh, S. L.** (2007). Perceiving Chinese words and their emotion valence in invisible conditions. Poster presented at the 12th International Conference on Processing Chinese and Other East Asian Languages, Taiwan.
192. You, H. H., & **Yeh, S. L.** (2007). Can visual-auditory interactions occur with unattended visual stimuli? Oral presentation at the 12th workshop on attention and perception, Chiayi, Taiwan.
193. Yang, Y. H., & **Yeh, S. L.** (2007). Effect of emotional face under the invisible condition. Oral presentation at the 12th workshop on attention and perception, Chiayi, Taiwan.
194. **Yeh, S. L.**, Lin, S. Y., Chou, W. L., Chen, D. Y., Chen, J. H., & Chen, C. C. (2007). Spatial-temporal grouping and perceived writing sequence of Chinese characters in the human brain: Comparison of readers and non-readers. *Journal of Vision*, 7, 262c. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
195. Ho, M. C., & **Yeh, S. L.** (2007). Effects of bottom-up input and top-down expectation on object-based attention. *Journal of Vision*, 7, 306a. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
196. Hsu, L. C., Kramer, P., & **Yeh, S. L.** (2007). Monocular depth ordering affect perceptual filling-in and motion induced blindness. *Journal of Vision*, 7, 121c. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.

197. Liao, H. I., & **Yeh, S. L.** (2007). Asymmetry of stimulus-driven attentional capture by flash and color distractors. *Journal of Vision*, 7, 308a. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
198. Chen, K. M., You, H. H., & **Yeh, S. L.** (2007). Subjective time expansion through cross-modal integration. *Journal of Vision*, 7, 126c. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
199. Lin, S. Y., **Yeh, S. L.**, Wu, C. C., & Su, Y. J. (2007). Action, but not perception, relies on continuous presentation of external objects. *Journal of Vision*, 7, 133c. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
200. Chen, Y. C., & **Yeh, S. L.** (2007). Limited cross-modal capacity revealed by selective attention in repetition blindness with sounds. *Journal of Vision*, 7, 255a. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
201. You, H. H., & **Yeh, S. L.** (2007). Auditory cues facilitate both low-level and high-level unattended visual processing. *Journal of Vision*, 7, 195b. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
202. **Yeh, S. L.** (2007). Word recognition in reading: Chinese character processing. *Proceeding of International Symposium on Language, Culture and Cognition*, pp. 35~41.
203. **Yeh, S. L.**, Chou, W. L, Lin, S. Y., Chen, D. Y., Chen, J. H., & Chen, C. C. (2006). Neural substrates for spatial-temporal grouping and perceived action in the human brain: Evidence from perceived writing sequence of Chinese characters. *The 29th European Conference on Visual Perception, St-Petersburg, Russia. Perception (suppl.)*, 35, 78a.
204. Chen, Y. C., & **Yeh, S. L.** (2006). Chinese character recognition mediated by sub-morphemic component processing. *The 29th European Conference on Visual Perception, St-Petersburg, Russia. Perception (suppl.)*, 35, 80c.
205. Hsu, L. C., **Yeh, S. L.**, & Tang, D. L. (2006). Role of eye movements and attention on temporary blindness and target reappearance. *The 29th European Conference on Visual Perception, St-Petersburg, Russia. Perception (suppl.)*, 35, 80c.
206. **Yeh, S. L.** (2006). Perceptual organization and recognition in the case of Chinese characters. Invited talk at the 4th Asian Conference on Vision, Matsue, Japan. *Vision*, v. 18 (supplement for ACV 2006), p. 20.

207. Ho, M. C., & **Yeh, S. L.** (2006). Object-based attention relies on instantaneous object representation, but not on the likelihood of object presence. The 4th Asian Conference on Vision, Matsue, Japan. *Vision*, v. 18 (supplement for ACV 2006), p. 58.
208. Chen, K. M., & **Yeh, S. L.** (2006). What should be used as the baseline for estimating a priming effect? The 4th Asian Conference on Vision, Matsue, Japan. *Vision*, v. 18 (supplement for ACV 2006), p. 59.
209. Liao, H. I., & **Yeh, S. L.** (2006). What kind of stimuli will capture your attention and under what conditions? The 4th Asian Conference on Vision, Matsue, Japan. *Vision*, v. 18 (supplement for ACV 2006), p. 47.  
Implications for automobile dashboard design.
210. You, H. H., & **Yeh, S. L.** (2006). Auditory cue facilitates unattended visual processing. The 4th Asian Conference on Vision, Matsue, Japan. *Vision*, v. 18 (supplement for ACV 2006), p. 225.
211. Chou, W. L., & **Yeh, S. L.** (2006). Effects of spatial and non-spatial working memory on location- and object-based attention. Vision Sciences Society, the 6th Annual Meeting, Sarasota, FL. *Journal of Vision*, 6, 596a.
212. Lin, S. Y., & **Yeh, S. L.** (2006). On-line updating of object representation: Same-object effect obtained from last-minute a modal completed objects. Vision Sciences Society, the 6th Annual Meeting, Sarasota, FL. *Journal of Vision*, 6, 596a.
213. **Yeh, S. L.**, & Chou, W. L. (2005). Semantic activation of the stem component in reading Chinese. The 11th International Conference on Processing Chinese and Other East Asian Language, Hong Kong.
214. Hsu, L. C., & **Yeh, S. L.** (2005). Components in Chinese characters: Levels of processing. The 11th International Conference on Processing Chinese and Other East Asian Languages, Hong Kong.
215. Chen, K. M., & **Yeh, S. L.** (2005). Is lexical decision task sensitive to orthographic similarities of Chinese characters? The 11th International Conference on Processing Chinese and Other East Asian Languages, Hong Kong.
216. **Yeh, S. L.**, & Chen, Y. C. (2005). Part-whole relationship in perceiving Chinese characters: Effect of frequency for different types of component. The 11th International Conference on Processing Chinese and Other East Asian Languages, Hong Kong.

217. **Yeh, S. L.**, Chou, W. L., & Reeves, A. (2005). Unitization in reading Chinese. The 11th International Conference on Processing Chinese and Other East Asian Languages, Hong Kong.
218. Kramer, P., & **Yeh, S. L.** (2005). Comparing stereopsis and apparent motion by linking the Ternus and Double Nail phenomena. The 13th Annual Symposium on Perception and Cognition, Trieste, Italy.
219. Chou, W. L., & **Yeh, S. L.** (2005). Dissociation of object-based and space-based inhibition of return by working memory. The 28th European Conference on Visual Perception, A Coruña, Spain. *Perception (suppl.)*, 34, 78a.
220. Liao, H. I., **Yeh, S. L.**, & Wu, C. C. (2005). Asymmetry of stimulus-driven attentional capture by non-contingent onsets and color distractors. The 28th European Conference on Visual Perception, A Coruña, Spain. *Perception (suppl.)*, 34, 96b.
221. Hsu, L. C., & **Yeh, S. L.** (2005). Motion-induced blindness as a kind of visual neglect. The 28th European Conference on Visual Perception, A Coruña, Spain. *Perception (suppl.)*, 34, 145b.
222. **Yeh, S. L.**, Lin, S. Y., & Kuo, M. (2005). Out of sight, out of object-based attention? The 28th European Conference on Visual Perception, A Coruña, Spain. *Perception (suppl.)*, 34, 183a.
223. Lin, S. Y., & **Yeh, S. L.** (2005). Mechanism of object-based attention: Spreading or prioritization? The 28th European Conference on Visual Perception, A Coruña, Spain. *Perception (suppl.)*, 34, 183b.
224. Kramer, P., & **Yeh, S. L.** (2005). Comparing stereopsis and apparent motion: The double-nail and Ternus phenomena. The 28th European Conference on Visual Perception, A Coruña, Spain. *Perception (suppl.)*, 34, 187a.
225. Lo, S. Y., & **Yeh, S. L.** (2005). Dissociating attention from required processing time. Vision Sciences Society, the 5th Annual Meeting, Sarasota, FL. *Journal of Vision*, 5, 157a.
226. Hsu, L. C., **Yeh, S. L.**, & Kramer, P. (2005). The influence of different surface segregation cues on temporary blindness. Vision Sciences Society, the 5th Annual Meeting, Sarasota, FL. *Journal of Vision*, 5, 247a.
227. Chou, W. L., & **Yeh, S. L.** (2005). Modulation of object-based and space-based attention by cue validity. Vision Sciences Society, the 5th Annual

- Meeting, Sarasota, FL. *Journal of Vision*, 5, 1038a.
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